

Abstract

The present solution relates to a 2D/3D data projector, which comprises: A data projector, the data projector comprising: at least one micro display having an image to be projected, at least one source unit comprising at least one light source chip and at least one beam forming component, each beam forming component comprising at least one diffractive element, and each source unit being designed to preserve etendue as far as possible, to minimize photon loss, to provide a desired projection shape and a uniform illumination onto the micro display, and a focusing optical unit for projecting the image of the micro display on a target.